

350Z / G35 HIGH FLOW INTAKE KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2003-2006	Nissan 350z
2003-2007	Infiniti G35 Coupe
2003-2006	Infiniti G35 Sedan

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your Vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your Vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports 350Z / G35 High Flow Intake Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

Parts Included:

Item	Quantity	Description
1	1	Z1 Air Filter
2	1	Z1 Velocity Stack
3	1	"Z" Tube Intake Pipe
4	1	Large Hose Clamp
5	2	Z1 Coupler
6	4	Medium Hose Clamp
7	4	10mm Bolt
8	4	Locking Washer

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- 10mm Socket/Wrench
- 8mm Nut Driver
- 12mm Socket/Wrench
- Ratchet
- Ratchet Extension (minimum 6")
- Silicone Spray

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE (-) battery terminal.
- Always use properly rated jack stands when working under your Vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports 350Z / G35 High Flow Intake Kit and verify that ALL necessary hardware is present.

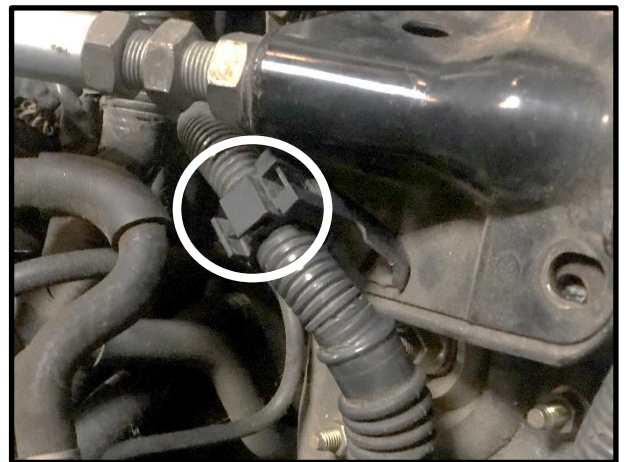
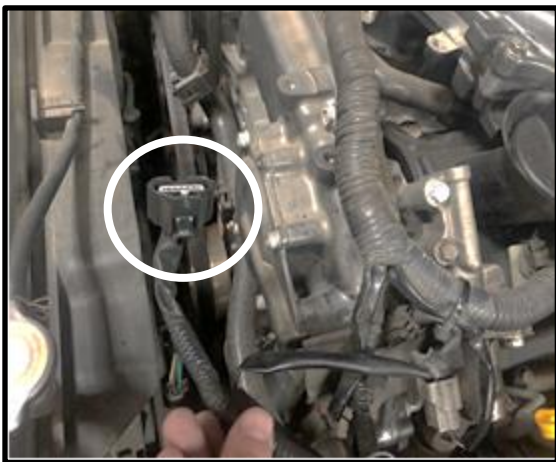
PROCEDURE:

1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmissions in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Unlatch and raise vehicle's hood. Apply hood prop.

Use the Diagram below for steps 4-9.



4. Remove (6) bolts and (2) hex nuts which attach strut bar to chassis. Remove strut bar and set aside.
5. Unplug MAF sensor connector and loosen vehicle's electrical harness clips on the passenger side (as shown).



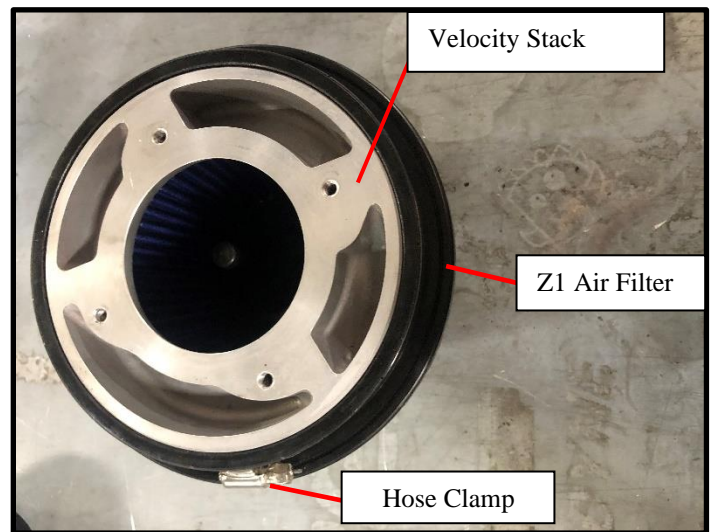
6. Remove air box mounting bolt.
7. Remove air intake pipe mounting bolt.
8. Loosen hose clamp at throttle body.
9. Loosen hose clamp and remove PCV hose from air intake piping.

10. Using a light pull motion, remove air box, MAF Housing, and air intake piping from vehicle as one (as shown).
11. Loosen hose clamp connecting air intake piping to MAF housing.
12. Remove air intake piping from air box and MAF housing.
13. Remove (4) 10mm bolts connecting MAF housing to Air Box.
14. Remove MAF housing from air box.
15. Locate Z1 Air Filter with velocity stack, (4) bolts, (4) locking washers.
16. Insert velocity stack into air filter until completely flush with top of air filter (as shown).



Note: Silicone spray may be needed.

17. Install large hose clamp around air filter and tighten.
18. Align holes of velocity stack with holes of MAF housing. Install and tighten supplied (4) 10mm bolts and lock washers through MAF housing and velocity stack holes.
19. Locate (1) coupler and (1) medium hose clamp. Install coupler on throttle body. Install hose clamp over reducer and tighten (as shown)
20. Locate (1) "Z" Tube Intake Pipe, and (1) medium hose clamp. Position loose clamp over throttle body coupler and slide in "Z" Tube Intake Pipe. Do not tighten hose clamp at coupler yet.



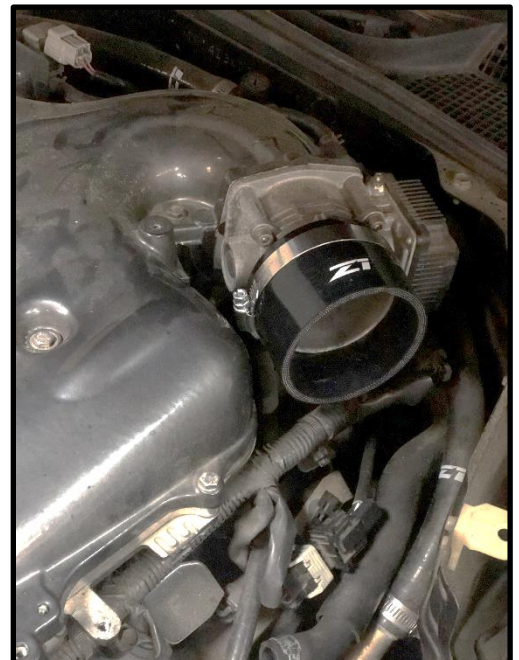
Note 1: Use of silicone spray or other dissolvable lubricant is recommended for all assembly which involves silicone couplers and hoses.

Note 2: PCV hose inlet tube should be facing downward on "Z" Tube Intake Pipe.

Note 3: Second hose clamp on coupler attached to throttle body should be opposite of first hose clamp for clearance purposes of engine.

Note 4: MAF sensor should be facing upward.

21. Loosen hose clamp and slide on PCV hose connecting to inlet tube on "Z" Tube Intake Pipe.
22. Tighten up second hose clamp that is over coupler.
23. Locate (1) coupler, and (2) medium hose clamps. Position coupler over MAF housing. Position (1) loose hose clamp over coupler against MAF housing side. Tighten (1) hose clamp on coupler.



24. Position (1) hose clamp over back side of coupler (as shown). Do not tighten hose clamp on coupler yet.
25. Slide coupler with MAF housing and air filter onto “Z” Tube Intake Pipe. Tighten hose clamp on coupler.
26. Plug in MAF sensor connector.
27. Re-install strut bar.
28. Assure all bolts and clamps are securely tightened and electrical connections are plugged back in. Inspect vehicle for loose components or issues.
29. Start vehicle. While at idle, check for leaks or faulty operation of Air Intake Kit.
30. Locate the C.A.R.B. exemption sticker. The sticker must be readily visible under the hood in order for an emissions inspector to easily see it when the vehicle is required to be tested for emissions. It is NOT recommended to affix the label to any equipment that is easily removable from the vehicle.



31. Select a suitable location (strut tower, underside of hood, radiator shroud or core support, etc.). Clean the area to remove all debris and dust. Apply the sticker to vehicle.
32. Inspect vehicle for loose tools/items
33. Lower hood of vehicle.
34. Perform a final test drive of vehicle.

Note: Completed kit should look as shown at right:



END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com
Or call 770 838 7777 between 9am and 6pm ET